

IN THE ABSTRACT

Please delete the current text for the abstract of the disclosure and substitute therefor a new text as follows:

A hot plate unit includes a supporting case, a ceramic substrate, a resistance heating element, and a coolant introducing pipe. The supporting case has a thickness of 50 mm or less. The ceramic substrate is fitted to the supporting case. The resistance heating element is provided on the surface of the ceramic substrate or inside the ceramic substrate. The coolant introducing pipe is disposed at the bottom of the supporting case.